



# **STRATA\_HEAT™ As A Primary Heat Source TDS221**

We often get the question about using the STRATA\_HEAT system to heat a home. The answer is yes it can under the right conditions. There are 5 factors that will determine if STRATA\_HEAT will work as a primary heating source for you:

1. Climate
2. Position of the rooms in your home
3. Room insulation
4. Type of substrate
5. The Type of Finished Flooring

## **Climate**

The colder the climate to more insulated your room will need to be and the harder your STRATA\_HEAT system will have to work

## **Position of rooms in your home**

The position of your room(s) plays a large factor if STRATA\_HEAT should be used as a primary heating source. Does the room have exterior facing walls? Is the room only adjacent to other interior rooms? Is my room upstairs or downstairs? Rooms that have no exterior walls are easier to heat as well as rooms in the upstairs of a home.

## **Room insulation**

Insulation plays a huge role in deciding if STRATA\_HEAT is the right choice for primary heating. This includes more than just the insulation behind the walls. It includes how well the windows are sealed, how many windows, are the doors sealed, the number of chimneys, etc. Windows allow for more heat loss than walls. Therefore, a sunroom with a lot of glass will allow for a lot more heat loss compared to a room with more walls. Therefore STRATA\_HEAT may not be able to keep a comfortable temperature in those type of rooms.

## **Type of Substrate**

Is the room located above a crawl space or one a concrete slab? Floors located in these areas typically get colder than other rooms. We recommend that these rooms be well insulated otherwise to accommodate the heat absorbed below. In cases such as these we highly recommend Hydro Ban® Board be placed below your STRATA\_HEAT system. This will dramatically increase the efficiency of your system.

## **The Type of Finished Flooring**

STRATA\_HEAT can be installed under tile, stone, laminate, carpet or wood floors. The efficiency of the system depends on the type of finished flooring. Tile and stone are the most efficient and the system can be run at maximum temperature if desired. Laminates and vinyl floors should check with their finished flooring manufacturer to find the maximum temperature recommended with their products. Wood and carpet

are typically the least efficient finished flooring over radiant heat and would not be optimal choices in poorly insulated rooms.

With research and preparations, you can make an informed choice about using STRATA\_HEAT as a primary heat source in your room.

Technical Data Sheets are subject to change without notice. For latest revision, check our website at <https://laticrete.com>  
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